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~~Figure 1~~ SEQ ID NO: 1

~~Sequence ID 1:~~ human interferon alpha 1 (GenBank 13128950)

MASPFALLMVLVVLSCSSCSLGCDLPETHSLDNRRTLMLLAQMSRISPSSCLMDRHDFGF
PQEEFDGNQFQKAPASVLHELIQQIFNLFTTKDSSAAWDEDLLDKFCTELYQQNLNDLEACV
MQEERVGETPLMNADSILAVKKYFRITLYLTEKKYSPCAWEVVRAEIMRSLSLSTNLQERL
RRKE

SEQ ID NO: 2

~~Sequence ID 2:~~ human interferon alpha-2a (GenBank 2781226)

CDLPQTHSLGSRRTLMLLAQMRKISLFSCLKDRHDFGFPQEEFGNQFQKAETIPVLHEMIQ
QIFNLFSTKDSSAAWDETLLDKFYTELYQQNLNDLEACVIQGVGTETPLMKEDSILAVRKYF
QRITLYLKEKKYSPCAWEVVRAEIMRSFSLSTNLQESLRSKE

SEQ ID NO: 3

~~Sequence ID 3:~~ human interferon alpha-2b (GenBank 30171279)

MCDLPQTHSLGSRRTLMLLAQMRRIISLFSCLKDRHDFGFPQEEFGNQFQKAETIPVLHEMI
QQIFNLFSTKDSSAAWDETLLDKFYTELYQQNLNDLEACVIQGVGTETPLMKEDSILAVRKY
FQRITLYLKEKKYSPCAWEVVRAEIMRSFSLSTNLQESLRSKE

SEQ ID NO: 4

~~Sequence ID 4:~~ human interferon alpha 4 (GenBank 10835103)

MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLAQMGRISHFSLKDRHDFGFP
EEEFDGHQFQKAQAISVLHEMIQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQNLNDLEACVI
QEVGVEETPLMNEDSILAVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSLSFSTNLQKRLR
RKD

SEQ ID NO: 5

~~Sequence ID 5:~~ human interferon alpha 5 (GenBank 4504597)

MALPFVLLMALVVLNCKSICSLGCDLPQTHSLSNRRRLMIMAQMGRISPFSCLKDRHDFGFP
QEEFDGNQFQKAQAISVLHEMIQQTFNLFSTKDSSATWDETLLDKFYTELYQQNLNDLEACM
MQEVGVEDTPLMNVDSILTVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSLSANLQERL
RRKE

SEQ ID NO: 6

~~Sequence ID 6:~~ human interferon alpha 6 (GenBank 11128015)

MALPFALLMALVVLSCSSCSLDCDLPQTHSLGHRRTMMLLAQMRRISLFSCLKDRHDFRF
PQEEFDGNQFQKAEAISVLHEVIQQTFNLFSTKDSSVAWDERLLDKLYTELYQQNLNDLEAC
VMQEVWVGGTPLMNEDSILAVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSSSRNLQE
RLRRKE

SEQ ID NO: 7

~~Sequence ID 7:~~ human interferon alpha 7 (GenBank 10800142)

MARSFSLLMAVLVLSYKSICSLGCDLPQTHSLNRRLALILLAQMGRISPFSCLKDRHEFRFP
EEEFDGHQFQKTQAISVLHEMIQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQNLNDLEACVI
QEVGVEETPLMNEDFILAVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSTNLKKGLR
RKD

SEQ ID NO: 8

~~Sequence ID 8:~~ human interferon alpha 8 (GenBank 4504599)

MALTFYLMVALVVLVSYSFSSSLGCDLPQTHSLGNRRALILLAQMRRISPFSCLKDRHDFEFP
QEEFDGKQFQKAQAISVLHEMIQQTFNLFSTKDSSAALDETLLDEFYIELDQQNLNDLEVLC
QEVGVIESPLMYEDSILAVRKYFQRITLYLTEKKYSSCAWEVVRAEIMRSFSLINLQKRLKS
KE

FIG. 1A

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~~SEQ ID NO: 9~~

~~Sequence ID 9: human interferon alpha 10 (GenBank 4504589)~~

MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLGQMGRISPFSCCLKDRHDFRIPQ
EEFDGNQFQKAQAISVLHEMIQQTFFNLSTEDSSAAWEQSLLEKFSTELYQQLNDLEACVIQ
EVGVEETPLMNEDSILAVRKYFQRITLYLIERKYSPCAWEVVRAEIMRSLSFSTNLQKRLRRK
D

~~SEQ ID NO: 10~~

~~Sequence ID 10: human interferon alpha 13 (GenBank 13128966)~~

MASPFALLMALVVLSCSSCSLGCGLPETHSLDNRRRLMLLAQMSRISPSSCLMDRHDGFGF
PQEEFDGNQFQKAPASVLHELIQQIFNLFTTKDSSAAWDEDLLDKFCTELYQQLNDLEACV
MQEERVGETPLMNADSILAVKKYFRRITLYLTEKKYSPCAWEVVRAEIMRSLSLSTNLQERL
RRKE

~~SEQ ID NO: 11~~

~~Sequence ID 11: human interferon alpha 14 (GenBank 4504591)~~

MALPFALMMALVVLSCSSCSLGCNLSQTHSLNNRRRLMLMAQMRRISPFSCCLKDRHDFE
FPQEEFDGNQFQKAQAISVLHEMMQQTFFNLSTKNSSAAWDETLLLEKFYIELFQQMNDLEA
CVIQEVGVEETPLMNEDSILAVKKYFQRITLYLMEKKYSPCAWEVVRAEIMRSFSFSTNLQK
RLRRKD

~~SEQ ID NO: 12~~

~~Sequence ID 12: human interferon alpha 16 (GenBank 4504593)~~

MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLAQMGRISHFSCCLKDRYDFGFP
QEVFDGNQFQKAQAISAFHEMIQQTFFNLSTKDSSAAWDETLLDKFYIELFQQQLNDLEACVT
QEVGVEEIALMNEDSILAVRKYFQRITLYLMGKKYSPCAWEVVRAEIMRSFSFSTNLQKGLR
RKD

~~SEQ ID NO: 13~~

~~Sequence ID 13: human interferon alpha 17 (GenBank 10880985)~~

MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLAQMGRISPFSCCLKDRHDFGLP
QEEFDGNQFQKTQAISVLHEMIQQTFFNLSTEDSSAAWEQSLLEKFSTELYQQLNNLEACVI
QEVGMEETPLMNEDSILAVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSLSFSTNLQKILR
RKD

~~SEQ ID NO: 14~~

~~Sequence ID 14: human interferon alpha 21 (4504595)~~

MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLAQMGRISPFSCCLKDRHDFGFP
QEEFDGNQFQKAQAISVLHEMIQQTFFNLSTKDSSATWEQSLLEKFSTELNQQQLNDMEACV
IQEVGVEETPLMNVDSILAVKKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSLSKIFQERLR
RKE

~~SEQ ID NO: 15~~

~~Sequence ID 15: human interferon beta (GenBank 124469), signal peptide deleted~~

MSYNLLGFLQRSSNFQCQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAAALTIYE
MLQNIFAIFRQDSSSTGWNENIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSLHLKR
YYGRILHYLKAKEYSHCAWTIVRVEILRNFYFINRLTGYLRN

~~SEQ ID NO: 16~~

~~Sequence ID 16: human interferon kappa (GenBank 14488028)~~

MSTKPDMIQKCLWLEILMGIFIAGTSLDCNLLNVHLRRVTWQNLRLHSSMSNSFPVECLRE
NIAFELPQEFLQYTQPMKRDIKAFYEMSLQAFNIFSQHTFKYWKERHLKIQIQIGLDQQAQAEY

FIG. 1B

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belongs
on
Fig
1B

LNQCLEEDENENEDMKEMKENEMKPSEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEI
VRVEIRRCLYYFYKFTALFRRK

SEQ ID NO: 17

Sequence ID 17: human interferon tau (GenBank 28882045)

MIKHFFGTVLVLLASTTIFSLDLKLIIFQQRQVQNQESLKLLNKLQTLISIQQCLPHRKNFLLPQK
SLSPQQYQKGH TLAILHEMLQQIFSLFRANISLDGWEENHTEKFLIQLHQQLEYLEALMGLE
AEKLSGTLGSDNLRQLQVKMYFRRIHDYLENQDYSTCAWAIVQVEISRCLFFVFSLTEKLSKQ
GRPLNDMKQELTTEFRSPR

SEQ ID NO: 18

Sequence ID 18: human interferon omega (GenBank 4504605)

MALLFPLLAALVMTSYSPVGS LGCDLPQNHGLLSRNTLVLLHQMRRISPFLCLKDRRDRFRFP
QEMVKGSQ LQKAHVMSVLHEMLQQIFSLFHTERSSAAWNMTLLDQLHTGLHQQLQHLETC
LLQVVGEGESAGAISSPALTLRRYFQGIRVYLKEKKYSDCAWEVVRMEIMKSLFLSTNMQE
RLRSKDRDLGSS

SEQ ID NO: 19

Sequence ID 19: interferon beta variant #2 L5Q in C17S background

MSYNQLGFLQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWN ETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSLHLKR
YYGRILHYLKAKEYSHCAWTIVRVEILRN FYFINRLTG YLRN

SEQ ID NO: 20

Sequence ID 20: interferon beta variant #7 L5Q/F8E in C17S background

MSYNQLGELQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWN ETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSLHLKR
YYGRILHYLKAKEYSHCAWTIVRVEILRN FYFINRLTG YLRN

SEQ ID NO: 21

Sequence ID 21: interferon beta variant #15 L5Q/F8E/F111N in C17S background

MSYNQLGELQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWN ETIVENLLANVYHQINHLKTVLEEKLEKEDNTRGKLMSSLHLK
RYYGRILHYLKAKEYSHCAWTIVRVEILRN FYFINRLTG YLRN

SEQ ID NO: 22

Sequence ID 22: interferon beta variant #23 L5Q/F8E/L116E in C17S background

MSYNQLGELQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWN ETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKEMSSLHLK
RYYGRILHYLKAKEYSHCAWTIVRVEILRN FYFINRLTG YLRN

SEQ ID NO: 23

Sequence ID 23: interferon beta variant #36 F8E/F111N/L116E in C17S background

MSYNLLGELQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWN ETIVENLLANVYHQINHLKTVLEEKLEKEDNTRGKEMSSLHLK
RYYGRILHYLKAKEYSHCAWTIVRVEILRN FYFINRLTG YLRN

SEQ ID NO: 24

Sequence ID 24: interferon beta variant #39 L5Q/F8E/F111N/L116E in C17S background

MSYNQLGELQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWN ETIVENLLANVYHQINHLKTVLEEKLEKEDNTRGKEMSSLHLK
RYYGRILHYLKAKEYSHCAWTIVRVEILRN FYFINRLTG YLRN

Fig. 1C

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~~SEQ ID NO: 25~~

~~Sequence ID 25:~~ interferon beta variant #64 L5Q/F8E/L47K/F111N/L116E/L120R in C17S background

MSYNQLGELQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQKQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLKTVLEEKLEKEDNTRGKEMSSRHLK
RYYGRILHYLKAKEYSHCAWTIVRVEI LRNFYFINRLTGylRN

~~SEQ ID NO: 26~~

~~Sequence ID 26:~~ interferon kappa variant #4_G7 V8N/W15R/Y48Q/M52N/F76S/Y78A/I89T
LDCNLLNNHLRRVTRQNLRHLSSMSNSFPVECLRENI AFELPQEFLQQTQPNKRDIKKAFYE
MSLQAFNIFSQHTSKAWKERHLKQIQTGLDQQA EYLNQCLEEDENENEDMKEMKENEMKP
SEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEIVRVEIRRCLYYFYKFTALFRRK

~~SEQ ID NO: 27~~

~~Sequence ID 27:~~ interferon kappa variant #46_E2
W15R/I37N/Y48Q/M52N/F76S/Y78A/I89T/ Y97D/V161A/C166A/Y168S/Y171T
LDCNLLNVHLRRVTRQNLRHLSSMSNSFPVECLRENN AFELPQEFLQQTQPNKRDIKKAFY
EMSLQAFNIFSQHTSKAWKERHLKQIQTGLDQQA EDLNQCLEEDENENEDMKEMKENEMK
PSEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEIVRAEIRRALSYFTKFTALFRRK

~~SEQ ID NO: 28~~

~~Sequence ID 28:~~ interferon kappa variant #47_C4 W15R/F76S/Y78A
LDCNLLNVHLRRVTRQNLRHLSSMSNSFPVECLRENI AFELPQEFLQYTQPMKRDIKKAFYE
MSLQAFNIFSQHTSKAWKERHLKQIQIGLDQQA EYLNQCLEEDENENEDMKEMKENEMKP
SEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEIVRVEIRRCLYYFYKFTALFRRK

~~SEQ ID NO: 29~~

~~Sequence ID 29:~~ interferon kappa variant #23_C10 I37N/Y48Q/M52N/F76S/Y78A/Y97D
LDCNLLNVHLRRVTWQNLRHLSSMSNSFPVECLRENN AFELPQEFLQQTQPNKRDIKKAFY
EMSLQAFNIFSQHTSKAWKERHLKQIQIGLDQQA EDLNQCLEEDENENEDMKEMKENEMK
PSEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEIVRVEIRRCLYYFYKFTALFRRK

~~SEQ ID NO: 30~~

~~Sequence ID 30:~~ interferon kappa variant #40_A10 W15R/I37N/F76S/Y78A
LDCNLLNVHLRRVTRQNLRHLSSMSNSFPVECLRENN AFELPQEFLQYTQPMKRDIKKAFY
EMSLQAFNIFSQHTSKAWKERHLKQIQIGLDQQA EYLNQCLEEDENENEDMKEMKENEMK
PSEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEIVRVEIRRCLYYFYKFTALFRRK

FIG. - 1D

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Figure 2

seq.

31 1: 24 CDLPETHSLDNRRRTLMLLAQMSRISPSSCLMDRHDGFGFPQEEFDGNQFQKAPAVISVLHEL 83
32 2a: 2 CDLPQTHSLGSRRTLMLLAQMRKISLFSCLKDRHDGFGFPQEEF-GNQFQKAETIPVLHEM 60
33 2b: 2 CDLPQTHSLGSRRTLMLLAQMRRIISLFSCLKDRHDGFGFPQEEF-GNQFQKAETIPVLHEM 60
34 4: 24 CDLPQTHSLGNRRALILLAQMGRISHFSCCLKDRHDGFGFPQEEFDGHQFQKAQAISVLHEM 83
35 5: 24 CDLPQTHSLSNRRRTLMIMAQMGRISPFSCLKDRHDGFGFPQEEFDGNQFQKAQAISVLHEM 83
36 6: 24 CDLPQTHSLGHRRTMMLLAQMRRISLFSCLKDRHDGFRFPQEEFDGNQFQKAQAISVLHEV 83
37 7: 24 CDLPQTHSLRNRRALILLAQMGRISPFSCLKDRHEFRFPQEEFDGHQFQKTQAISVLHEM 83
38 8: 24 CDLPQTHSLGNRRALILLAQMRRISPFSCLKDRHDGFEFPQEEFDKQFQKAQAISVLHEM 83
39 10: 24 CDLPQTHSLGNRRALILLGQMGRISPFSCLKDRHDGFRIPQEEFDGNQFQKAQAISVLHEM 83
40 13: 24 CDLPETHSLDNRRRTLMLLAQMSRISPSSCLMDRHDGFGFPQEEFDGNQFQKAPAVISVLHEL 83
41 14: 24 CNLSQTHSLNRRRTLMMLAQMRRIISLFSCLKDRHDGFEFPQEEFDGNQFQKAQAISVLHEM 83
42 16: 24 CDLPQTHSLGNRRALILLAQMGRISHFSCCLKDRYDFGFPQEEVFDGNQFQKAQAISAFHEM 83
43 17: 24 CDLPQTHSLGNRRALILLAQMGRISPFSCLKDRHDGFLPQEEFDGNQFQKTQAISVLHEM 83
44 21: 24 CDLPQTHSLGNRRALILLAQMGRISPFSCLKDRHDGFGFPQEEFDGNQFQKAQAISVLHEM 83

31 1: 84 IQQIFNLFSTTKDSSAAWDEDLLDKFCTELYQQLNDLEACVMQEERVGETPLMNADSILAV 143
32 2a: 61 IQQIFNLFSTKDSSAAWDETLDDKFYTELYQQLNDLEACVIQGVGTETPLMKEDSILAV 120
33 2b: 61 IQQIFNLFSTKDSSAAWDETLDDKFYTELYQQLNDLEACVIQGVGTETPLMKEDSILAV 120
34 4: 84 IQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQLNDLEACVIEVGVEETPLMNEDSILAV 143
35 5: 84 IQQTFNLFSTKDSSATWDETLDDKFYTELYQQLNDLEACMMQEVGVEDTPLMNVDISILTV 143
36 6: 84 IQQTFNLFSTKDSSVAWDERLLDDKLYTELYQQLNDLEACVMQEVVWGGTPLMNEDSILAV 143
37 7: 84 IQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQLNDLEACVIEVGVEETPLMNEDFILAV 143
38 8: 84 IQQTFNLFSTKDSSAALDETLDDFYIELDQQLNDLEVLCDQEVGVIESPLMYEDSILAV 143
39 10: 84 IQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQLNDLEACVIEVGVEETPLMNEDSILAV 143
40 13: 84 IQQIFNLFSTTKDSSAAWDEDLLDKFCTELYQQLNDLEACVMQEERVGETPLMNADSILAV 143
41 14: 84 MQQTFNLFSTKNSSAAWDETLLEKFYIELFQQMNDEACVIEVGVEETPLMNEDSILAV 143
42 16: 84 IQQTFNLFSTKDSSAAWDETLDDKFYIELFQQQLNDLEACVTQEVGVVEEIALMNEDSILAV 143
43 17: 84 IQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQLNNDLEACVIEVGMEETPLMNEDSILAV 143
44 21: 84 IQQTFNLFSTKDSSATWEQSLLEKFSTELNQQQLNDMEACVIEVGVEETPLMNVDISILAV 143

31 1: 144 KKYFRITLYLTEKKYSPCAWEVVRAEIMRSLSLSTNLQERLRRKE 189
32 2a: 121 RKYFQRITLYLKEKKYSPCAWEVVRAEIMRSFSLSTNLQESLRSKE 166
33 2b: 121 RKYFQRITLYLKEKKYSPCAWEVVRAEIMRSFSLSTNLQESLRSKE 166
34 4: 144 RKYFQRITLYLTEKKYSPCAWEVVRAEIMRSLSFSTNLQKRLRRKD 189
35 5: 144 RKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSLSANLQERLRRKE 189
36 6: 144 RKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSSSRNLQERLRRKE 189
37 7: 144 RKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSTNLKKGLRRKD 189
38 8: 144 RKYFQRITLYLTEKKYSSCAWEVVRAEIMRSFSLINLQKRLKSKE 189
39 10: 144 RKYFQRITLYLIERKYSPCAWEVVRAEIMRSLSFSTNLQKRLRRKD 189
40 13: 144 KKYFRITLYLTEKKYSPCAWEVVRAEIMRSLSLSTNLQERLRRKE 189
41 14: 144 KKYFQRITLYLMEKKYSPCAWEVVRAEIMRSFSTNLQKRLRRKD 189
42 16: 144 RKYFQRITLYLMGKKYSPCAWEVVRAEIMRSFSTNLQKGLRRKD 189
43 17: 144 RKYFQRITLYLTEKKYSPCAWEVVRAEIMRSLSFSTNLQKILRRKD 189
44 21: [144 KKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSLSKIFQERLRRKE 189]

- Font size changed
to smaller size

Fig. 2

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~~Figure 3~~

502
10
45 IFNK: ldcnllnvhlrrvtwqnlrlhlssmsnsfpveclreniafelpqeflqytq
46 1AU1: MSYNLLGFLQRSSNFQCQKLLWQLNGRLEY-CLKDRMNFDIPEEIKQLQQ
47 1B5L: CYLSRKLMLDAR-ENLKLDRMNRLSPHSCLQDRKDFGLPQEMVEGDQ
48 1ITF: CDLPQTHSLGSR-RTLMLLAQMRKISLFSCLKDRHDFGFPQE-EFGNQ

45 IFNK: pmkrdikkafyemslqafnifsqht--fkywkerhkhqigldqqaeyln
46 1AU1: FQKEDAALTIYEMLQNI FAIFRQDSSSTGWNETIVENLLANVYHQINHLK
47 1B5L: LQKDQAFPVLYEMLQQSFNLFYTEHSSAAWDTTLLEQLCTGLQQQLDHLQ
48 1ITF: FQKAETIPVLHEMIQQIFNLFSTKDSSAAWDETLLDKFYTELYQQQLNDLE

45 IFNK: qcleedenenedmkemkenemkpsearvpqlsslelrryfhridnflkek
46 1AU1: TV-----LEEKLEKEDFTRGKLMSSLHLKRYYGRILHYLKAK
47 1B5L: TC-----RG|MDPIVTVKKYFQGIYDYLOEK
48 1ITF: AC-----VIQGVGVTTETPLMKEDSILAVRKYFQRITLYLKEK

45 IFNK: kysdcaweivrveirrclyyfykftalfrrk
46 1AU1: EYSHCAWTIVRVEILRNIFYFINRLTGylRN
47 1B5L: GYSDCAWEIVRVEMMRALTVSTTLQKRLTK
48 1ITF: KYSPCAWEVVRAEIMRSFSLSTNLQESLRSKE

FIG.-3

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Figure 4

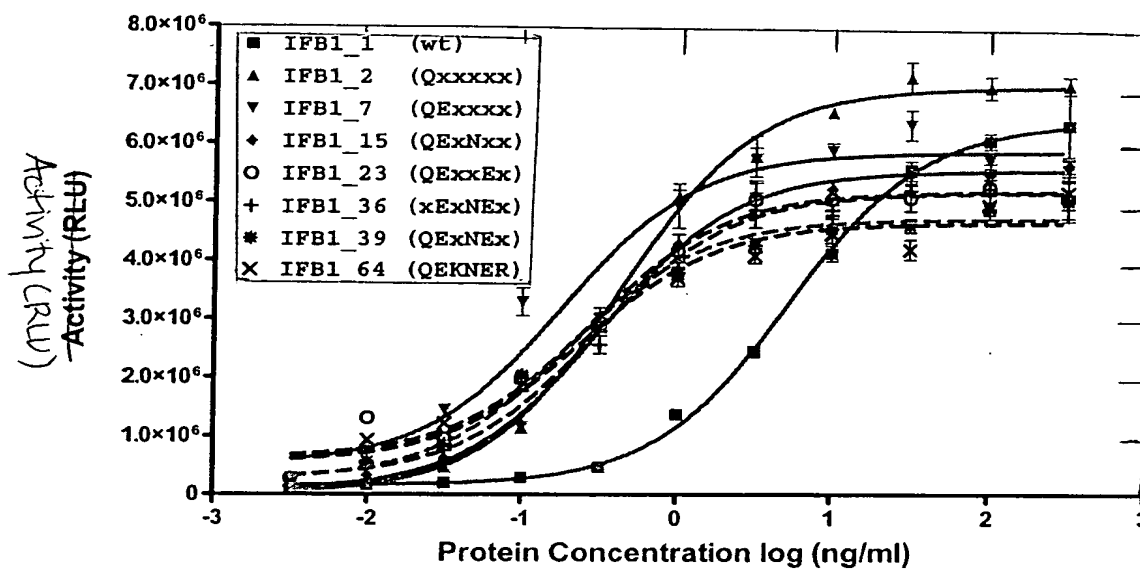


FIG.-4

FIG.-4 has been enlarged to fit page, oriented as Landscape

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~~Figure 5~~

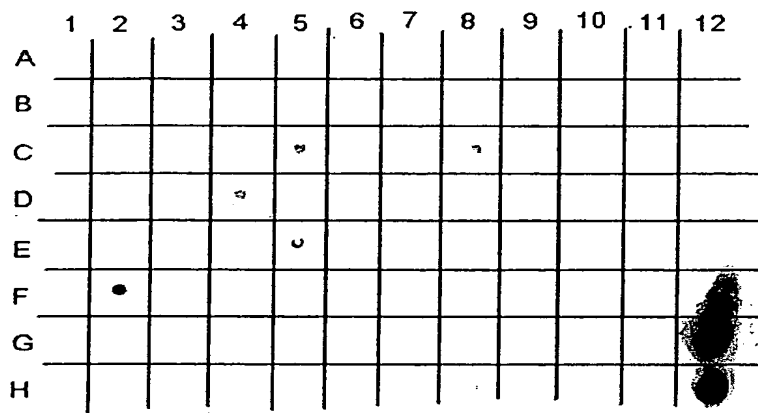


FIG.-5

FIG.-6 Appears
here

FIG.-6

Figure 6

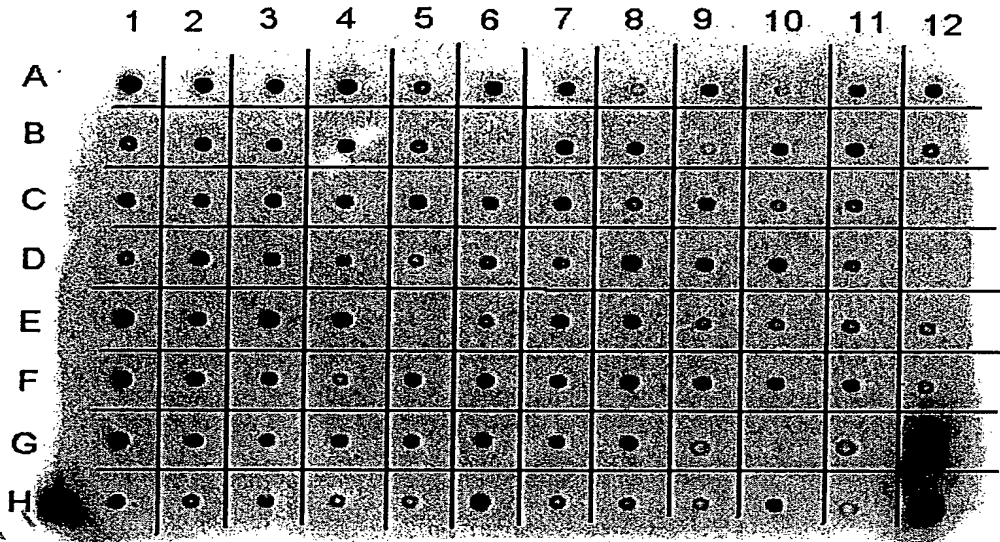


FIG.-6

FIG.-6 appears on page 8/13 with
FIG.-5

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~~Figure 7~~

IK1 RETEST PLATE #1
WESTERN #3

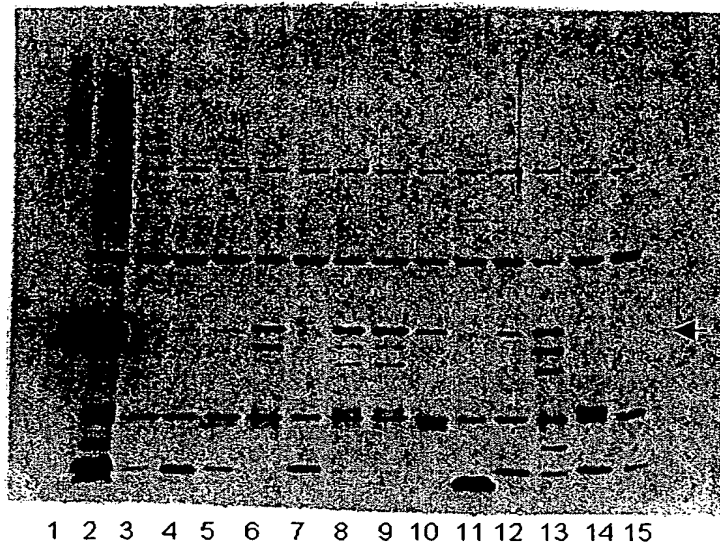


FIG. - 7

FIG. - 8 appears
here

FIG. - 8

Figure 8

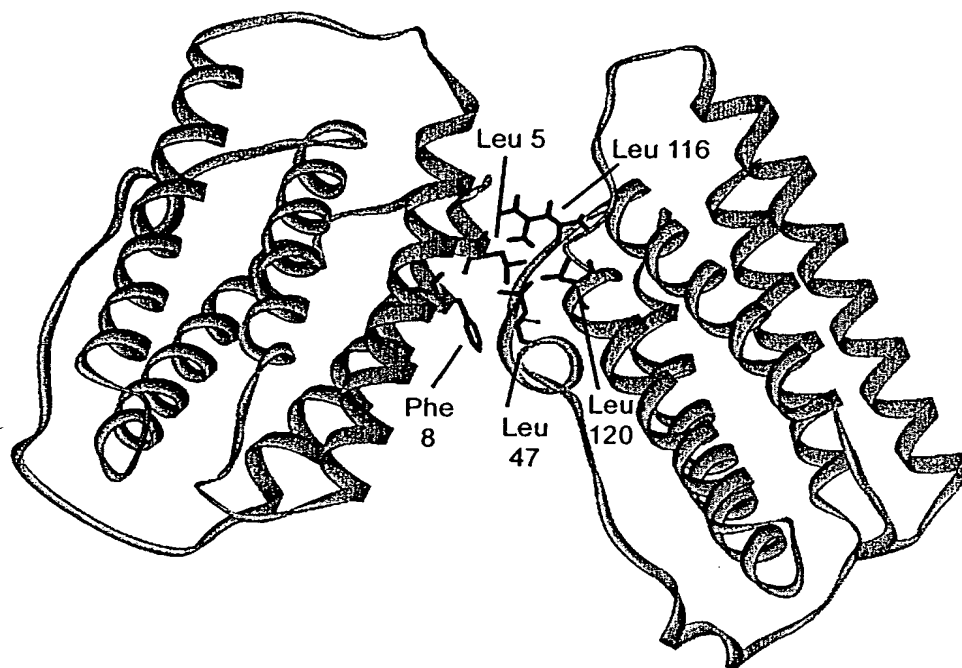
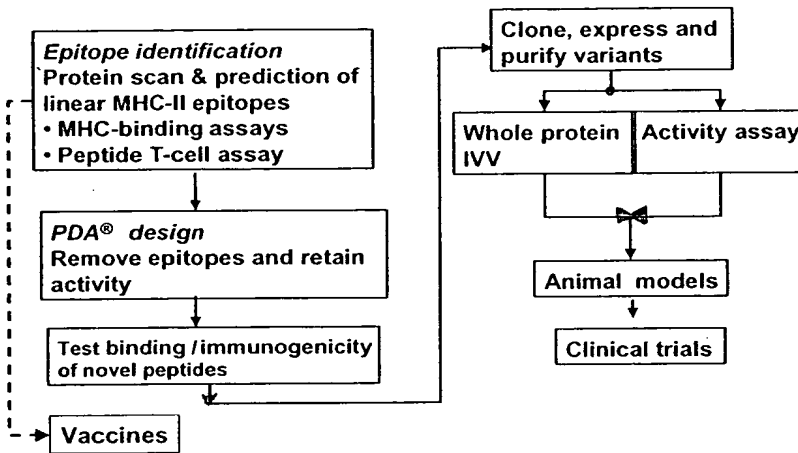


FIG.-8

FIG.-8 appears on page 9/13 below
FIG.-7.

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Figure 9



5

FIG. -9

FIG. -10 appears
here

Figure ~~8~~ 10

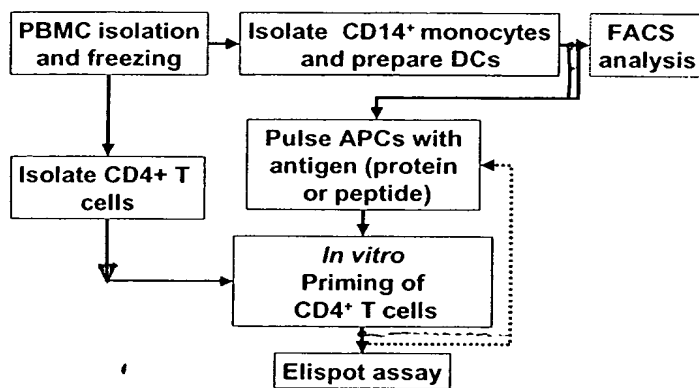
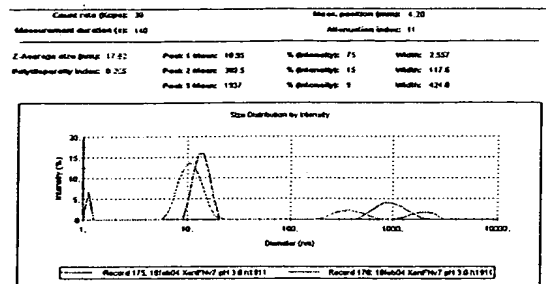


FIG. -10

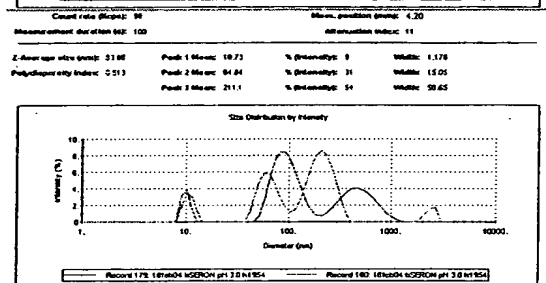
FIG. -10 appears on page 10/13 below
FIG. -9 and is enlarged.

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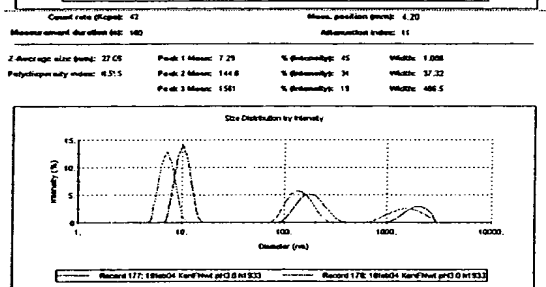
Figure ~~11~~ 11



Now FIG.11A and is enlarged



Now FIG.11B and is enlarged



Now FIG.11C - enlarged and appears on page 12/13.

Annotated Sheet Showing Changes

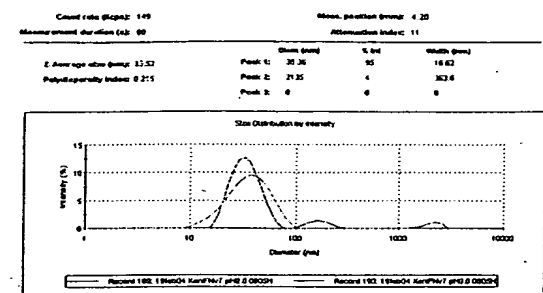


FIG.-12A - enlarged and appears on page 12/13

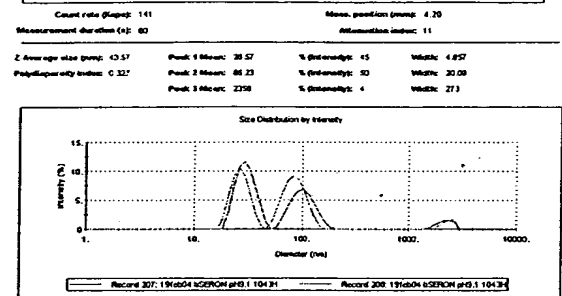


FIG.-12B

enlarged and appears on page 13/13

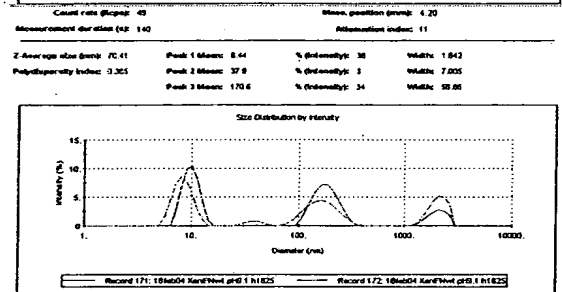


FIG.-12C

enlarged and appears on page 13/13 below FIG.-12B

Figure 12